विश्वभारत @tdil

प्रमोद महाजन
PRAMOD MAHAJAN

संसदीय कार्य एवं
सूचना प्रौद्योगिकी मंत्री
भारत
नई दिल्ली - 110001
MINISTER OF PARLIAMENTARY AFFAIRS
AND INFORMATION TECHNOLOGY
INDIA
NEW DELHI-110 001

Message

India is well poised to emerge as a major player in Information Technology. In our own context, Information Technology has emerged as the single most effective tool for bridging the knowledge gap. The challenge before us is to see how best we can harness this emerging technological capability to make it more effective and efficient. In this, the development of language oriented programmes play a very important part.

The first step taken by the Government in this direction was the launch of the national programme on Technology Development for Indian Languages. A number of projects were supported to develop Indian Language Processing Tools, Human Machine Interface Systems, Translation Support Systems, Corpora and Lexical Resources. The next milestone during this decade begins with the setting up of 13 Resource Centres for Indian Language Technology Solutions. These centres will develop technologies for providing easy to use solutions in Indian languages in close collaboration with the agencies of State Governments, industry and academia.

The Newsletter VishwaBharat@tdil consolidates in one place information on language technologies, products and services and serves as a means of sharing ideas among technology developers. I hope this Newsletter will create awareness in the society regarding the availability of language technology resources. I wish this venture all success.

(PRAMOD MAHAJAN)

TDIL Programme

Vision statement

Digital unite and knowledge for all.

Mission statement

Communicating & moving up the knowledge chain overcoming language barrier.

Objectives

- To develop information processing tools to facilitate human machine interaction in Indian languages and to create and access multilingual knowledge resources/content.

- To promote the use of information processing tools for language studies and research.

- To consolidate technologies thus developed for Indian languages and integrate these to develop innovative user products and services.

Major Initiatives

- **Knowledge Resources**
  (Parallel Corpora, Multilingual Libraries/ Dictionaries)

- **Knowledge Tools**
  (Portals, Language Processing Tools, Translation Memory Tools)

- **Translation Support Systems**
  (Machine Translation, Multilingual Information Access, Cross Language Information Retrieval)

- **Human Machine Interface System**
  (Optical Character Recognition Systems, Voice Recognition Systems, Text-to-Speech System)

- **Localization**
  (Adapting IT Tools and solutions in Indian Languages)

- **Language Technology Human Resource Development**
  (Manpower Development in Natural Language Processing)

- **Standardization**
  (ISCII, Unicode, XML, TMX, ISFOC etc.)